

PRODUCTION OF ALPHA-OLEFIN OLIGOMER

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Abstract of JP8245429

PURPOSE: To effectively remove a catalytic component from a reaction liquid in a process for producing an α -olefin oligomer using a chromium-based catalyst containing a halogen-containing compound, to reduce the load on a process after the removal of the catalyst and to enable the recovery and reuse of the catalytic component such as an expensive amine compound. **CONSTITUTION:** An α -olefin oligomer is produced by using a chromium-based catalyst composed of a combination of at least (a) a chromium compound, (b) one or more kinds of compounds selected from amines, amides and imides, (c) an alkylaluminum compound and (d) a halogen-containing compound, carrying out the oligomerization of an α -olefin in a reaction solvent in the presence of the catalyst and contacting the reaction liquid containing the catalytic component with ≤ 2.5 mol/L of an aqueous solution of an acid or an alkali to remove the catalytic component.

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